

Amendments to the Specification:

Please replace the paragraph beginning at page 7, line 2, with the following amended paragraph:

FIG. 1 is a depiction of the nucleotide sequence of a cDNA fragment (SEQ ID NO: 5) that includes the coding sequence (nucleotides 723- 870 942 of SEQ ID NO:5) (SEQ ID NO:2) of hB7-H1.

Please replace the paragraph beginning at page 26, line 4, with the following amended paragraph:

A homology search of the human cDNA EST database using published human B7-1 and B7-2 amino acid sequences revealed an EST sequence (GeneBank #AA292201) encoding a homologue to human B7-1 and B7-2 molecules. The 5'- and 3'- sequences were obtained by several independent reverse transcriptase-coupled polymerase chain reactions (RT-PCR) from a human placenta cDNA library utilizing vector and EST sequences as primers. A 3,616 bp fragment that included the hB7-H1 encoding orf was cloned and sequenced (SEQ ID NO:5) (FIG. 1). The coding sequence for hB7-H1 (SEQ ID NO:2) spans nucleotides 723- 951 942 of SEQ ID NO:5. The amino acid sequence of full-length hB7-H1 (SEQ ID NO:1) is shown in FIG. 2a. The extracellular domain of hB7-H1 has greater homology to B7-1 (20% amino acid identity) than to B7-2 (15%) (Fig. 2b) whereas its cytoplasmic domain is highly divergent from that of B7-1 and B7-2 based on analysis using the McVector 6.5 software. The open reading frame of the gene encodes a type I transmembrane protein of 290 amino acids consisting of a 22 amino acid signal peptide, Ig V-like domain, and Ig C-like domains, a hydrophobic transmembrane domain and a cytoplasmic tail of 30 amino acids (FIG. 2a). Four structural cysteines (labeled by stars in FIG. 2b), which are apparently involved in forming the disulfide bonds of the Ig V and Ig C domains are well conserved in all B7 members (FIG. 2b) [Fargeas, C.A. et al. (1995) *J. Exp. Med.* 182, 667-675; Bajorath, J. et al. (1994) *Protein Sci.* 3, 2148-50; Linsley, P.S. et al. (1994) *Immunity* 1, 793-801; Inaba, K. et al. (1994) *J. Exp. Med.* 180, 1849-

Applicant : Lieping Chen  
Serial No. : 09/451,291  
Filed : November 30, 1999  
Page : 3 of 9

Attorney's Docket No.: 07039-187001

60; Freeman, G. J. et al. (1995) *Immunity* 2, 523-532]. In addition, the tyrosine residue in B7-1 (at position 87) and in B7-2 (at position 82) of the Ig V-like domain is conserved in hB7-H1 (at position 81) (FIG. 2b).